Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Sunday 17 Sep 2023 until 23:59 on Monday 18 Sep 2023

Forecast Issued on Saturday 16 Sep 2023 at 14:16

Confidence: High for the unsettled theme on Sunday, but only Moderate for the timing of heaviest rain. High again for more persistent rain Monday clearing to sunshine and showers later that day. Moderate for the persistent rain and strong winds Tuesday and into Wednesday, but confidence then becoming Low for any details Thursday onward.

Headline for Sunday 17 Sep 2023: Cloudy with any early rain easing. Further rain, heavy and perhaps thundery, spreading north later in the day.

Mountain weather hazards on Sunday 17 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Dull	Drizzle	Cloudy	Cloudy	Cloudy	Light rain	Heavy Rain	Thunderstorm
Precipitation probability							
20%	30%	20%	20%	20%	30%	70%	70%

Forecast for Sunday 17 Sep 2023

Weather: Cloudy with outbreaks of drizzle during the early hours, most persistent across eastern hills. These clearing north during the morning, with some drier intervals possible for a time. Further heavy, perhaps thundery showers then spreading north from mid-afternoon and later in the day, with a risk of hail and gusty winds.

Chance of cloud-free hill tops above 600m: 60% west, 20% east during the morning. Becoming 90% for all, for a time during the afternoon before falling again to 30% during the evening.

Low cloud and visibility: Widespread cloud obscuring tops above 500m at first, with some patches of cloud down to 300m in the east. Cloud lifting through the day, to be largely above summits by early afternoon. Further widespread low cloud spreading north during the evening, obscuring summits above 600m. Good views likely outside of cloud, but falling to poor at times during heavy rain.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Sunday 17 Sep 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	16/23 NE	16/24 E	18/25 E	20/28 E	20/29 E	20/29 E	18/25 E	16/24 SE	15/22 S
300	14/24 NE	13/23 NE	14/23 E	15/25 E	15/25 E	14/23 E	13/22 E	14/22 SE	12/19 S
Valley	15/30 E	14/28 E	15/28 E	15/28 E	15/28 E	13/25 E	13/25 E	11/22 E	8/18 SE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/8	11/8	11/8	11/8	13/10	14/11	13/10	12/10	13/10
300	13/10	13/11	13/11	14/12	16/13	17/15	15/13	15/13	15/13
Valley	14/11	14/11	14/11	15/12	17/14	18/16	16/14	15/14	15/14
Freezing Level*	3000m	3000m	2900m	2900m	2800m	2700m	3000m	3100m	2900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Driest weather expected late morning or early afternoon, however some rain remains possible throughout. This heaviest, and perhaps thundery later in the day, so worth descending early and having a descent plan if caught in a thunderstorm.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Sat 16 Sep 2023	0mm	0mm	0mm

Forecast for Monday 18 Sep 2023

Weather: Heavy showers and thunderstorms during the early hours will clear for a time, however a band of heavy rain is then forecast to spread east late morning. This could again be thundery, but soon clearing to sunny spells during the afternoon. Further showers also following, heavy at times and with a further chance of isolated thunder, but moving quickly through on the strong westerly breeze.

Maximum wind: Southerly 20mph becoming Westerly 30mph with 35-45 mph gusts

Chance of cloud-free hill tops above 600m: 20% during the morning, rising to above 90% during the afternoon.

Low cloud and visibility: Widespread cloud obscuring summits at 500m during the morning, but patchier across northern hills. Cloud clearing as morning rain eases away east. Moderate to poor views during the morning, especially with rain, but improving to be very good later in the day, especially away from any showers which will briefly limit views of distant hills.

Temperature: **Valleys:** Plus 14 Celsius rising to Plus 18 Celsius
At 600m: Plus 12 Celsius.
Freezing level: Above summits.

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